

**A MICROWAVE HEAT-EXCHANGE THRUSTER AND METHOD OF OPERATING
THE SAME**

Abstract of the Disclosure

5 A propulsion system is disclosed that uses microwaves originating from a
ground-based or on-board source to provide energy for propulsion. The energy
produces thrust by coupling into a propellant via a microwave absorbent heat
exchanger, and by subsequent conversion of the propellant thermal energy to kinetic
energy through a thrust converter or nozzle.

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